

## PARTNERSHIP

### Syrlinks first X-band transmitter selected by Astroscale for ELSA-M mission

#### Business News

Rennes, France, 2023 June 15<sup>th</sup>,

Syrlinks, subsidiary of Safran Electronics & Defense and worldwide leader in the design of RF Communication systems for Space, with Astroscale, first private company with a vision to secure the safe and sustainable development of space, are proud to announce their partnership for ELSA-M mission. Astroscale selected Syrlinks's EWC28 solution, a X-Band Telemetry Transmitter. Astroscale had already work successfully with Syrlinks for the ELSA-d (End-of-Life Services by Astroscale demonstration) mission.

The ELSA-M servicer spacecraft leverages flight heritage technology, systems and capability developed during the End-of-Life Service by Astroscale demonstration (ELSA-d) mission. The servicer will be able to support a range of future satellite operators, including constellations. An ELSA-M In-orbit Demonstration (IOD) is planned for 2025 – with a constellation customer satellite. The ELSA-M servicer will provide a solution to capture and de-orbit multiple clients satellites per servicer safely and responsibly in a single mission and will be the first to demonstrate this capability.

For this project, Astroscale has elected the EWC28 solution from Syrlinks. The EWC28 comes as X-Band transmitter especially designed for mini and micro satellite. It authorizes to establish communication link between the satellite and the ground station to recover all the telemetry data as required for the mission. One key advantage of the EWC28 has been the capability to operate in the Deep Space frequency band implementing advanced signal filtering. This product comes as a very proven design with key heritage: the very first models have been developed for the Proba-V ESA (European Space Agency) mission in 2010 and since, more than 50 flight models have been used in different



From left to right : Guillaume Choain from Syrlinks, Daniel Blockman from Astroscale and Eric Pinson from Syrlinks on Astroscale booth at Space Tech Expo Europe 2022



"In the name of Syrlinks, I would like to thank Astroscale for having elected our EWC-28 X-Band transmitter for this mission." Says Eric PINSON, Director of Space activity at Syrlinks. "It is a great recognition of a work of several years to design a COTS based space product, highly reliable and bringing key transmitting performances.", adds Eric.

Daniel Bloxham, Senior Procurement Manager, Astroscale Ltd. says: "We are excited to working with Syrlinks on the ELSA-M In-Orbit demonstration mission. Syrlinks bid was commercially attractive and a good fit to our requirements."



## ABOUT SYRLINKS

Syrlinks, is a French company, founded in 2011 near Rennes. The company designs and delivers worldwide RF communication products to address four market segments: Space, Defense, Safety and Time-frequency.

The company which today consists of more than 160 people has successfully delivered more than 1000 Flight models for Space, which represents more than 800 years of on-orbit time with 100% reliability!

The Space business unit has developed four product ranges: TT&C, Telemetry Transmitters, GNSS and SDR Payload. This meets different market segments in terms of satellite integration (Nano/Cubesat, Micro and Mini satellites) and in terms of applications such as Earth Observation, Satcom, GNSS Services, LEO PNT, Spectrum monitoring, etc.



*Figure: EWC28 - X-Band Transmitter  
for Micro and Mini Satellites- ©Syrlinks*

## ABOUT ASTROSCALE

Astroscale is the first private company with a vision to secure the safe and sustainable development of space for the benefit of future generations, and the only company solely dedicated to on-orbit servicing across all orbits. Founded in 2013, Astroscale is developing innovative and scalable solutions across the spectrum of on-orbit servicing missions, including life extension, in situ space situational awareness, end-of-life services, and active debris removal, to create sustainable space systems and mitigate the growing and hazardous buildup of debris in space. Astroscale is also defining business cases and working with government and commercial stakeholders to develop norms, regulations, and incentives for the responsible use of space.

Syrlinks masters the design of reliable product based on COTS (Components-Off-the Shelf) components, enabling cost-reduction for New Space. Its products have been used in many high-profile space missions such as Rosetta, Myriades/Myriades-evolutions, Proba-V, OneWeb Satellites, Pléïades-Neo, Argos Neo, Microscope, etc.

Syrlinks works with prestigious clients and partners such as Airbus, OneWeb, the CNES (the French national agency for space studies), the European Space Agency (ESA), Thales Alenia Space, and Synspecive.

[Please note that Syrlinks has become a Safran company.](#)

More infos at [syrlinks.com](https://syrlinks.com)

Headquartered in Japan, Astroscale has an international presence with subsidiaries in the United Kingdom, the United States, Israel, and Singapore. Astroscale is a rapidly expanding venture company, working to advance safe and sustainable growth in space and solve a growing environmental concern.

More infos at [astroscale.com](https://astroscale.com)